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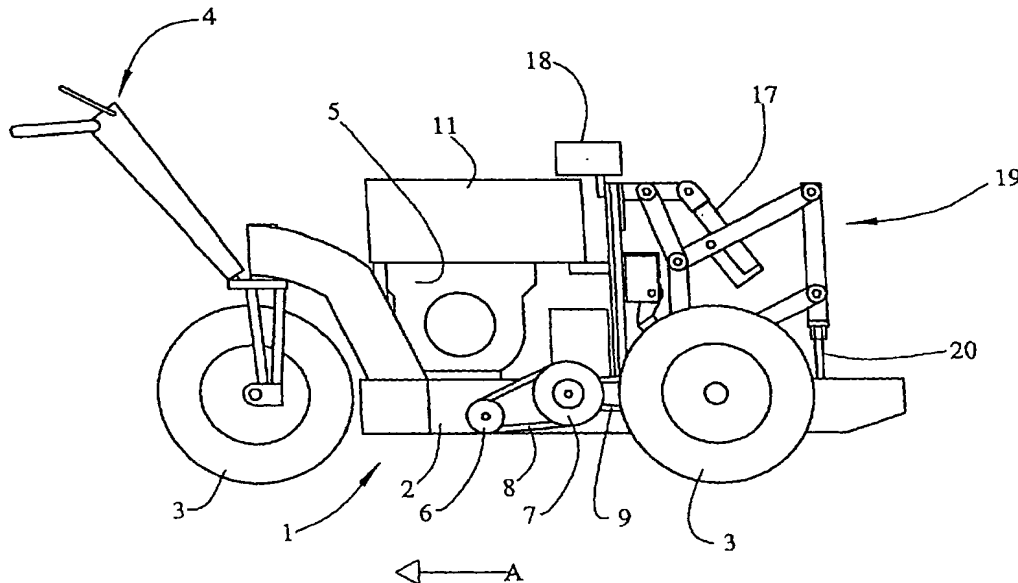
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(75) Inventor/Applicant (for US only): BANKS, John
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(54) Title: CULTIVATING DEVICE



(57) Abstract: A cultivator (1) for aerating a ground surface. The cultivator has a support frame (2) moveable relative to the ground surface and a follower first pivotally connected to the support frame by a first pair of spaced link arms. A tool support member is pivotally connected to the follower by a second pair of spaced link arms. A driver effects cyclic movement of the tool support member in the second direction and movement of the follower in a first direction and a tool support member in a second direction. A bias element provides resilient damping of the movement of the follower along the first direction away from the support frame (2). A dampening element provides resilient damping of the movement of the follower along the first direction toward the support frame (2).

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WO 2004/016070 A3

WO 2004/016070 A3



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/31663

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :A01B 45/00

US CL :172/21

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 172/21, 22, 35, 42, 48, 52, 53, 54, 95, 99, 101, 84, 88, 125

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,988,290 A (BANKS) 23 November 1999, figures 1,3-8.	1-7, 16-21
X	US 5,797,458 A (SIMON et al) 25 August 1998, figure 1.	1-7, 16-21
A	US 3,204,703 A (Hansen) 7 September 1965, figures 3, 5-7.	1-7, 16-21
A	US 5,810,092 A (SELVATICI) 22 September 1998, figures 1,3,4.	1-7, 16-21

☐ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

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 Victor Batson **17 MAY 2004**

 Name and mailing address of the ISA/US
 Headquarters of the International Bureau of the WIPO (July 1998)*
 Box PCT

 Authorized officer
 Telephone No. (703) 308-1113

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